

Docket No.: 544332000121
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Michael Z. Martin, et al.

Application No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: January 15, 2004

Examiner: Not Yet Assigned

For: PHARMACEUTICAL PREPARATIONS OF
BIOACTIVE SUBSTANCES EXTRACTED
FROM NATURAL SOURCES

INFORMATION DISCLOSURE STATEMENT

Mail Stop DD

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, applicants are submitting herewith copies of the references listed on the attached Form PTO-1449 for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

Consideration of the foregoing plus the prompt return of a copy of the enclosed PTO Form-1449 with the Examiner's initials in the left column in accordance with MPEP 609 are respectfully requested.

This Information Disclosure Statement is being submitted with the initial filing of the U.S. application, therefore, no fee is required.

In the event any fee is due with this filing, please charge to the undersigned's Deposit Account No. 03-1952.

Dated: January 15, 2004

Respectfully submitted,

By 

James Remenick

Registration No.: 36,902


MORRISON & FOERSTER LLP

1650 Tysons Blvd, Suite 300

McLean, Virginia 22102

(703) 760-7700

Attorneys for Applicant

Form PTO-1449				Docket Number 544332000121		Application Number 09/578,849	
 <p>Use several sheets if necessary)</p>				Applicant			
				Michael Z. Martin, et al.			
				Filing Date May 26, 2000		Group Art Unit 1651	
				Examiner: F. C. Prats			
U.S. PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
				WO			
OTHER DOCUMENTS <i>(including author, title, Date, Pertinent Pages, Etc)</i>							
Examiner Initials	Ref. No.	Title					
	1.	Abad, MJ et al., Anti-inflammatory activity of some medicinal plant extracts from Venezuela. J Ethnopharmacol 1996 Dec;55(1):63-8					
	2.	Alarcon-Aguilara, FJ, et al., Study of the anti-hyperglycemic effect of plants used as antidiabetics. J Ethnopharmacol 61 2:101-110 (1998)					
	3.	Almeida CE et al., Analysis of anti-diarrheic effect of plants used in popular medicine. Rev Saude Publica 1995 Dec;29(6):428-33					
	4.	Alves KB, et al., Inhibition of aminopeptidase activity by aromatic and other cyclic compounds. Braz J Med Biol Res. 1992;25(11):1103-6					
	5.	Anesini C, et al., Screening of plants used in Argentine folk medicine for anti-microbial activity. J Ethnopharmacol. 1993 Jun;39(2):119-28					
	6.	Arletti, R, et al., Stimulating property of Turnera diffusa and Pfaffia paniculata extracts on the sexual behavior of male rats, Psychopharmacology (Berl). 1999 Mar; 143(1):15-9 Auterhoff, H et al., Constituents of the drug Damiana. Arch Pharm (Weinheim) 301:537-544(1968)					
	7.	Ballot D, et al., The effects of fruit juices and fruits on the absorption of iron from a rice meal. Br J Nutr. 1987 May;57(3):331-43					
	8.	Batista IF et al., Primary structure of a Kunitz-type trypsin inhibitor from Enteroloubium contortisiliquum seeds. Phytochemistry. 1996 Mar;41(4):1017-22					
	9.	Becerra JX, et al., Nuclear ribosomal DNA phylogeny and its implications for evolutionary trends in Mexican Bursera (Burseraceae) Am J Bot 1999 Jul;86(7):1047					
	10.	Bejar et al., International J. Pharmacognosy 33(1), 1995, pp. 25-32					
	11.	Bianchi E, et al., Antitumor agents from Bursera fagroides (Burseraceae) (Beta-peltatin-A-methylether and 5' desemethoxy-beta-peltatin-A-methylether) 1969 Jul; 32:2759-62					
	12.	Bianchi E, et al., Antitumor agents from Bursera microphylla (Burseraceae) I. Isolation and characterization of deoxypodophyllotoxin. J Pharm Sci 1968 Apr;57(4):696-7					
EXAMINER:				DATE CONSIDERED:			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.							

Form PTO-1449

Docket Number 544332000121

Application Number 09/578,849

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Applicant

Michael Z. Martin, et al.

Filing Date May 26, 2000

Group Art Unit 1651

Examiner: F. C. Prats

(Use several sheets if necessary)

- | | |
|-----|---|
| 13. | Bocek, BR, Ethnobotany of Costanoan Indians, California, based on collections by John P. Harrington. Econ Bot 38 1984 2:240-255 |
| 14. | Caceres A, et al., Plants used in Guatemala for the treatment of gastrointestinal disorders. 1. Screening of 84 plants against enterobacteria. J Ethnopharmacol. 1990 Aug;30(1):55-73 |
| 15. | Caceres A., et al., Plants used in Guatemala for the treatment of gastrointestinal disorders. 3. Confirmation of activity against enterobacteria of 16 plants. J Ethnopharmacol. 1993 Jan;38(1):31-8 |
| 16. | Caldwell, ME, Brewer, WR, Plants with potential to enhance significant tumor growth. Cancer Res 43 1983 12:5775-5777 |
| 17. | Carabez, A. et al., The action of the sesquiterpenic benzoquinone, perezone on electron transport in biological membranes. Arch Biochem Biophys. 1988 Jan;260(1):293-300 |
| 18. | Castr-Faria-Neto HC et al., Pro-inflammatory activity of enterolobin: a hemolytic protein purified from seeds of the Brazilian tree Enterolobium contortisiliquum. Toxicon. 1991;29(9):1143-50 |
| 19. | Cheng, JT et al., Hypoglycemic effect of guava juice in mice and human subjects. Am Chin Med. 1983;11(104):74-6 |
| 20. | Costa RH et al., Purification and partial characterization of Enterolobium contortisiliquum seed arylamidase. Braz J Med Biol Res. 1991;24(4):337-44 |
| 21. | de Sousa MV, et al, Enterolobin, a hemolytic protein from Enterolobium contortisiliquum seeds (Leguminosae-Mimosoideae). Purification and characterization. An Acad Bras Cienc. 1989 Dec;61(4):405-12 |
| 22. | Diaz, JL, Ethnopharmacology of sacred psychoactive plants used by the Indians of Mexico. Ann Rev Pharmacol Toxicol 17:647-(1977) |
| 23. | Dimayuga, RE; Murillo, RF; Pantoja, ML, Traditional medicine of Baja, California, Sur (Mexico II). J Ethnopharmacol 20 3:209-222 (1987) |
| 24. | Enriquez, R. et al., Active components in Perezia roots. J Ethnopharmacol. 1980 Dec;2(4):389-93 |
| 25. | Evans, MA, Ecology and removal of introduced rhesus monkeys; Desecheo Island National Wildlife Refuge, Puerto Rico, PR Health Sci J 1989 Apr; 8(1):139-56. |
| 26. | Fontes W. et al., Determination of the amino acid sequence of the plant cytolytic enterolobin. Arch Biochem Biophys 1997 Nov 15;347(2):201-7 |
| 27. | Fowden, L; Smith, A, Newly Characterized amino acids from Aesculus californica Phytochemistry 1968 7:809-819 |
| 28. | Giessler, C; Horton, T; Double-blind trial of herbal slimming pill. Lancet 1986 8504 461-(1986) |
| 29. | Gnan, SO, et al, Inhibition of Staphylococcus aureus by aqueous Goiaba extracts. J Ethnopharmacol 1999 Dec 15;68(1-3):103-8 |
| 30. | Ionescu F, et al., The structure of benulin, a new pentacyclic triterpene hemiketal isolated from Bursera arida (Burseraceae) J Org Chem 1977 Apr 29;42(9):1627-9 |
| 31. | Jairaj, P et al., Anti-cough and antimicrobial activities of Psidium guajava Linn. Leaf extract. J Ethnopharmacol. 1999 Nov 1;67(2):203-12 |
| 32. | Jolad SD, et al., Cytotoxic agents from Bursera klugii (Burseraceae) I: isolation of sapelins A and B. J Pharm Sci 1977 Jun: 66(6):889-90. |
| 33. | Jolad SD, et al., Cytotoxic agents from Bursera morelensis (Burseraceae) deoxypodophyllotoxin and a new lignan, 5'-desmethoxydeoxypodophyllotoxin. J Pharm Sci 1977 Jun:66(6):892-3 |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number 544332000121

Application Number 09/578,849

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

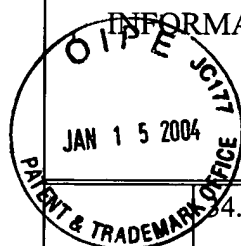
Applicant

Michael Z. Martin, et al.

Filing Date May 26, 2000

Group Art Unit 1651

Examiner: F. C. Prats



- | | |
|-----|---|
| 34. | Kubo, I et al., Combined effect on plant growth of (-)-Epicatchin and Hydroquinone, compounds from Aesculus californica Nutt. Chem Pharm Bull 33 1985 9:3826-3828 |
| 35. | Kubo, I; Ying, BP, Phenolic constituents of California buckeye fruit. Phytochemistry 31 1992 11:37933-3794 |
| 36. | Le Grand A, [Anti-infective phytotherapies of the tree-savannah, Senegal (occidental Africa). III. A review of photochemical substances and the anti microbial activity of 43 species]. J Ethnopharmacol. 1989 May;25(3):315-38. Review. French |
| 37. | Lema, WJ et al., Prostaglandin synthetase inhibition by alkaloids of Heimia salicifolia. J Ethnopharmacol 1986 Feb;15(2):161-7 |
| 38. | Leon de Pinto G, et al., Chemical and 13C NMR studies of Enterolobium cyclacarpum gum and its degradation products. Phytochemistry. 1994 Nov;37(5):1311-5 |
| 39. | Lozoya X, et al., Quercetin glycosides in Psidium guajava L. leaves and determination of a spasmolytic principle. Arch Med Res. 1994 Spring;25(1):11-5 |
| 40. | Lutterodt GD, Inhibition of Microlax-induced experimental diarrhea with narcotic-like extracts of Psidium guajava leaf in rats. J Ethnopharmacol 1992 Sep;37(2):151-7 |
| 41. | Lutterodt GD, Inhibition of gastrointestinal release of acetylcholine by quercetin as a possible mode of action of Psidium guajava leaf extracts in the treatment of acute diarrheal disease. J Ethnopharmacol 1989 May;25(3):235-47 |
| 42. | Lutterodt GD et al., Effects on mice locomotor activity of a narcotic like principle from Psidium guajava leaves. J Ethnopharmacol. 1988 Dec;24(2-3):219-31 |
| 43. | Malone, MH, et al., Heimia salicifolia: a phytochemical and phytopharmacologic review. J Ethnopharmacol 1994 May;42(3):135-59 |
| 44. | Matsuo, T et al., Identification of (+)-gallocatchin as a bio-anti-mutagenic compound in Psidium guava leaves. Phytochemistry 1994 Jul;36(4):1027-9 |
| 45. | Mazzanti, G, et al., Pharmacol Res 27 Anti-inflammatory activity of Pfaffia paniculata (Martius) Kuntze and Pfaffia stenophylla (Sprengel) Stuehl:91-92 (1993) |
| 46. | Mazzanti, G. Braghiroli, L, Analgesic and anti-inflammatory action of Pfaffia paniculata (Martius) Kuntze. Phthoter Res 8 7:413-416(1994) |
| 47. | McDoniel PB, et al., Antitumor activity of Bursera schlechtendalii (burseraceae): isolation and structure determination of two new lignans. J Pharm Sci 1972 Dec;61(12):1992-4 |
| 48. | Morales MA, et al., Calcium-antagonist effect of quercetin and its relation with the spasmolytic properties of Psidium guajava L. Arch Med Res. 1994 Spring;25(1):17-21 |
| 49. | Nakal, S. et al., Pfaffosides, nortriterpenoid sponins from Pfaffia paniculata. Phytochemistry 23 8:1703-1705 (1984) |
| 50. | Nascimento, SC, et al., Antimicrobial and cytotoxic activities in plants from Pernambuco, Brazil. Fitoterapia 61 4: 353-355 (1990) |
| 51. | Nishimoto, N; et al., Pfaffosides and nortriterpenoid saponins from Pfaffia paniculata. Phytochemistry 23 1:139-142(1984) |
| 52. | Obatomi, DK et al., Anti-diabetic properties of the African mistletoe in streptozotocin-induced diabetic rats. J Ethnopharmacol. 1994 Jun;43(1):13-7 |
| 53. | Oliva ML, et al., Serine-and SH-proteinase inhibitors from Enterolobium contortisiliquum beans. Purification and preliminary characterization. Braz J Med Biol Res. 1987;20(6):767-70 |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number 544332000121

Application Number 09/578,849

Applicant

Michael Z. Martin, et al.

Filing Date May 26, 2000

Group Art Unit 1651

Examiner: F. C. Prats

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

- | | |
|-----|--|
| 54. | Opote FI, The component fatty acids of Psidium guajava seed fats. 1978 Aug;29(8):737-8 |
| 55. | Peraza-Sanchez SR et al., Isolation of picropolygamain from the resin of Bursera simaruba. J Nat Prod 1992 Dec;55(12):1768-71. No abstract available |
| 56. | Perez, RM et al., A study of the hypoglucemic effect of some Mexican plants. J Ethnopharmacol 12 3:253-262 (1984) |
| 57. | Ponce-Macotella M et al., [In vitro effect against Giardia of 14 plant extracts]. Rev Invest Clin. 1994 Sep-Oct;46(5):343-7. Spanish |
| 58. | Proll J, et al., Low nutritional quality of unconventional tropical crop seeds in rats. J. Nutr. 1998 Nov;128(11):2014-22 |
| 59. | Rabe, T et al., Anti-bacterial activity of South African plants used for medicinal purposes. J Ethnopharmacol. 1997 Mar;56(1):81-7 |
| 60. | Re L, et al., Effects of some natural extracts on the acetylcholine release at the mouse neuromuscular junction. Pharmacol Res. 1999 Mar;39(3):239-45 |
| 61. | Riquelme BD et al., Complex viscoelasticity of normal and lectin treated erythrocytes using laser diffractometry. Biorheology 1998 Jul-Oct;35(4-5): |
| 62. | Roman-Ramos R, et al., Anti-hyperglycemic effect of some edible plants. J Ethnopharmacol. 1995 Aug 11;48(1)25-32 |
| 63. | Rother, A, The phenyl-and biphenyl-quinolizidines of in-vitro-grown Heimia salicifolia. J Nat Prod 1985 Jan-Feb;48(1):33-41 |
| 64. | Sampaio CA et al., Action of plant proteinase inhibitors on enzymes of the kallikrein kinin system. Agents Actions Suppl. 1992;36:191-9 |
| 65. | Santos, FA et al., The leaf essential oil of Psidium guyanensis offers protection against pentylenetetrazole-induced seizures. Planta Med. 1997 Apr;63(2):133-5 |
| 66. | Schimmer, O; et al., An evaluation of 55 commercial plant extracts in the Ames mutagenicity test. Pharmazie 49 6: 448-451(1994) (Inst Bot Pharm Biol Univ Erlangen Nurnberg Germany) |
| 67. | Silva GA, et al., Isolation and partial characterization of an endopeptidase from Enterolobium contortisiliquum seeds. Braz J Med Biol Res. 1994 Jun;27(6):1299-310 |
| 68. | Sousa MV et al., Homology between the seed cytolysin enterlobin and bacterial aerolysins. J Protein Chem. 1994 Nov;13(8):659-67 |
| 69. | Spencer, KC; Seigler, DS, Tetraphyllin B from Turnera diffusa. Planta Med 43:175-178 (1981) |
| 70. | Subiza, J et al., Occupational asthma caused by Brazil ginseng dust, J. Allergy Clinic Immunol 88 5:731-736 (1991) |
| 71. | Takemoto, T, et al., Pfaffic acid, anovel nortritepene from Pfaffia paniculata. Tetrahedron Lett 24 10:1057-1060 (1983) |
| 72. | Tona L, et al., Anti-amoebic and phytochemical screening of some Congolese medicinal plants. J Ethnopharmacol. 1998 May ;61(1):57-65 |
| 73. | Trumbull, ER et al., Antitumor agents from Bursera microphylla (Burseraceae) 3. Synthesis of burseran. J Pharm Sc 1969 Feb; 58(2):176-8 |
| 74. | Wickramaratne, DB et al., Cytotoxic constituents of Bersera permollis. Planta Med. 1995 Feb;61(1):80-1 |
| 75. | Winkelman, M, Frequently used medicinal plants in Baja, California Norte. J Ethnopharmacol 18 2: 109-131 (1986) |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 544332000121	Application Number 09/578,849
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Michael Z. Martin, et al.	
		Filing Date May 26, 2000	Group Art Unit 1651
		Examiner: F. C. Prats	
Zavala, MA, et al., Antidiarrheal activity of Waltheria Americana, Commeline coelestis and Alternanthera repens. J. Ethnopharmacol. 1998 May; 61(1):41-7			
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			